

Appl. No. 10/038,235
Art Unit 3711 Docket No.: C01-02
Reply to Office Action of 07/01/2003

LISTING OF CLAIMS

Please amend the claims as follows:

1. (Currently amended) A metal wood golf club head adapted for attachment to a shaft comprising:

a substantially hollow body welded to a substantially oval shaped stamped metal impact insert;

the body including a heel portion, a toe portion, a crown portion, a sole plate, a skirt portion connecting the heel portion to the toe portion, and a face perimeter having an opening of a configuration for receiving the stamped metal impact insert;

an upper section of the face perimeter forming a transition junction with the crown portion, and a lower section of the perimeter face forming a transition junction with the sole plate; and

the opening of the face perimeter at least about 0.20 inch from either the transition junction at the upper section or the transition junction at the lower section,

thereby, substantially eliminating welding at the transition junctions.

2-4 (Cancelled)

5. (Currently amended) The golf club head of claim [[4]] 1, wherein [[the]] a shell thickness of the face perimeter is approximately 0.08 inch.

6. (Currently amended) The golf club head of claim 5, wherein the hollow [[cast]] body and the insert are made substantially of titanium or titanium based alloy.

7. (Currently amended) The golf club head of claim 6, wherein [[the]] a variable wall thickness of the insert is approximately 0.10 inch at its center to about 0.09 inch at its outer edge.

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8. (Currently amended) The golf club head of claim 7, wherein the insert comprises having at least two different radii of curvature for interior and exterior surfaces.
9. (Previously presented) The golf club head of claim 1, wherein the size of the club head is between about 350 to about 500 cubic centimeters.
10. (Original) The golf club head of claim 9, wherein the body and the insert are made from a titanium alloy.
11. (Previously presented) The golf club head of claim 1, wherein the size of the club head is between about 270 to about 500 cubic centimeters.
12. (Original) The golf club head of claim 11, wherein the body is substantially 6-4 titanium alloy and the insert is substantially 15-3-3 titanium alloy.
13. (Previously presented) The golf club head of claim 12, wherein the wall of the insert has a uniform thickness of between about 0.100 inch to about 0.125 inch.
14. (Original) The golf club head of claim 1, wherein the size of the club head is between about 230 to 350 cubic centimeters.
15. (Previously presented) The golf club head of claim 14, wherein the wall of the insert has a uniform thickness between about 0.075 inch to 0.105 inch.
16. (Currently amended) The golf club head of claim 14, wherein the club head has a loft ~~[[is]]~~ being equal to or greater than 13°.
17. (Previously presented) The golf club head of claim 16, wherein the wall of the insert has a uniform thickness, the thickness being between about 0.05 inch to 0.09 inch.

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18. (Currently amended) The golf club head of claim 1, wherein the ~~[[cast]]~~ body includes a generally cylindrical hosel extending from the heel portion, an extension of the hosel centerline axis having an intersection point with the sole plate, and a weight element disposed on the sole plate centered at a location substantially rearward from the intersection point in an area adjacent to the juncture of the heel and skirt portions.

19-20 (Cancelled)

21. (Previously presented) The golf club head of claim 18, wherein the center of the weight element is disposed at a distance greater than about 1.5 inches from the intersection point.

22. (Previously presented) The golf club head of claim 18, wherein the center of the weight element is disposed at a distance greater than about 1.0 inch from the intersection point.

23. (Currently amended) The golf club head of claim ~~[[20]]~~ 18, wherein the weight element is greater than 16 grams.

24. (Currently) A metal wood golf club head adapted for attachment to a shaft comprising:

- a substantially hollow body having a crown portion, a sole plate, a toe portion, a heel portion, a skirt portion having a juncture with the heel portion and a ball striking face extending therebetween,

- the body having a hosel extending from the heel portion for attachment to the shaft,

- the hosel having a centerline axis, an extension of which meets the sole plate at an intersection point,

- a weight element disposed on the sole plate directly rearward from the intersection point

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adjacent to the juncture of the heel and skirt portions.

25. (Previously presented) The golf club head of claim 24, wherein the weight element is centered and disposed on the sole plate at a distance greater than about 1.5 inches from the intersection point.

26. (Original) The golf club head of claim 25, wherein the weight element is chosen from a variety of weight units, each weight unit designed for a specific swing dynamic.

27. (Previously presented) The golf club head of claim 26, wherein the weight element is greater than about 16 grams.

28. (Currently amended) A metal wood golf club head adapted for attachment to a shaft comprising:

- a substantially hollow body welded to a substantially oval shaped metal impact insert;

- the body including a heel portion, a toe portion, a crown portion, a sole plate, a skirt portion connecting the heel portion to the toe portion, and a face perimeter having an opening of a configuration for receiving the metal impact insert;

- an upper section of the face perimeter forming a transition junction with the crown portion, and a lower section of the perimeter face forming a transition junction with the sole plate, wherein the face perimeter is substantially thinner than the metal impact insert; and

- the opening of the face perimeter is at least about 0.20 inch from both the transition junction at the upper section and the transition junction at the lower section,

- thereby, substantially eliminating welding at the transition junctions.

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29. (Currently amended) A metal wood golf club head adapted for attachment to a shaft

comprising:

a substantially hollow body welded to a substantially oval shaped metal impact insert;

the body including a heel portion, a toe portion, a crown portion, a sole plate, a skirt portion connecting the heel portion to the toe portion, and a face perimeter having an opening of a configuration for receiving the oval shaped metal impact insert; and

the opening of the face perimeter being at least about 0.20 inch from both ~~[[the]]~~ a transition junction at the upper section and ~~[[the]]~~ a transition junction at the lower section,

thereby, substantially eliminating welding at the transition junctions.